



# XP

Operator Manual

WASHTECH

**WASHTECH®**  
PROFESSIONAL WASH SYSTEMS

**WARNING**

Before installation and commissioning, you must read the safety instructions and warnings carefully and all the warning labels attached to the equipment.

**IMPORTANT**

Failure to comply (even partially) with the instructions given in this manual will invalidate the product warranty and relieves the manufacturer of any responsibility

**IMPORTANT**

The alteration of machine operation, design or the replacement of parts not approved by the manufacturer may void warranties and approvals.

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We have checked that the contents of this document correspond to the model described. There may be discrepancies nevertheless, and no guarantee can be given that they are completely identical. The information contained in this document is reviewed regularly and any necessary changes will be included in the next edition. We welcome suggestions for improvement.

Specifications and document subject to change without prior notice.

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**Service 1 800 622 216**

**Parts 1 800 337 963**



Distributed in Australia by Moffat Pty Limited  
740 Springvale Road, Mulgrave, Victoria  
Tel 09 9518 3888 | Fax 03 9518 3818

# Safety Instructions



## **WARNING**

Equipment contains dangerous voltages and can be hazardous if installed or operated incorrectly. Non-compliance with warnings or failure to follow the instructions contained in this manual can result in loss of life, severe personal injury or serious damage to property.

## **Installation**

- Use qualified, skilled personnel
- Follow installation instructions
- Connect to correct voltage and supply current
- Provide fully accessible electrical Isolation Switch & water supply valves

## **Training and Supervision**

- Read and understand the Operating instructions and train all staff
- This appliance must not be operated by children or infirm persons
- Machine panels must only be removed by suitably qualified and trained personnel – internal hazards include live electrics and very hot surfaces
- This appliance is not intended for use as a stepladder

## **Hot Surfaces**

- Some surfaces may be hot or very hot

## **Chemicals**

- Commercial dishwashing detergents are hazardous – handle with care
- Read and follow the safety information found on the labels of detergent containers and Material Safety Data Sheets
- Use protective eyewear and clothing if decanting containers

## **Hot Water**

- Do not put hands in wash water which may be over 60°C and contain hazardous caustic detergent
- Rinse water can be over 90°C
- Door safety switches are designed for emergency use only

## **Cleaning**

- Do not hose down the machine or splash water over the exterior
- Watch for broken glass etc when cleaning the inside of the machine

## **Service/repair**

- Under no circumstances the user should attempt to carry out repairs
- All service/repair work must be carried out by qualified personnel only
- 

## **Power Cord Replacement**

- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard

# Installation Checklist



## **WARNING**

Installer must be suitably qualified and ensure compliance with all codes and standards including AS/NZS3500.1.

## **Unpack**

- Unpack the machine, check for damage and complete delivery.

## **Positioning**

- Place machine on sound waterproof self draining floor and adjust feet to level
- Allow room for adjacent chemical containers
- Place machine in benchwork supplied by others to dimensions shown on next page and seal underside of the bench to the machine.

## **Water**

- Flush supply lines before connection
- Connect hose supplied to adjacent accessible isolator valve – 20 mm 3/4 male
- Flow rate required – 20 litres per minute
- Temperature – 65°C
- Consumption per cycle – 2.6 litres
- Pressure required – 200-350 kPa – fit limiter above this pressure
- Back Flow – Dual Check Valve (DCV) supplied with the machine
- Potable water quality is required – filter or soften if necessary

## **Power**

- Machine shipped with cordset for 15 A 240V 50Hz via adjacent switched outlet.
- Easily upgradeable to three phase 15 A per phase 415V 50Hz

## **Waste**

- 40 mm gravity drain – refer point B on installation diagrams – run waste directly behind the machine or through open base.

## **Detergent**

- Note that detergent is hazardous – read instructions and handle with care
- Insert hose into container of commercial dishwasher low foam detergent
- Pump will prime as machine fills and then come up to strength with use

## **Rinse Fluid**

- Insert hose into adjacent container of commercial dishwasher rinse fluid.
- Injector accessible via front panel – increase consumption by winding adjuster screw out
- Every turn out of the adjusting screw will increase the dose by about 0.4ml.

## **Operation**

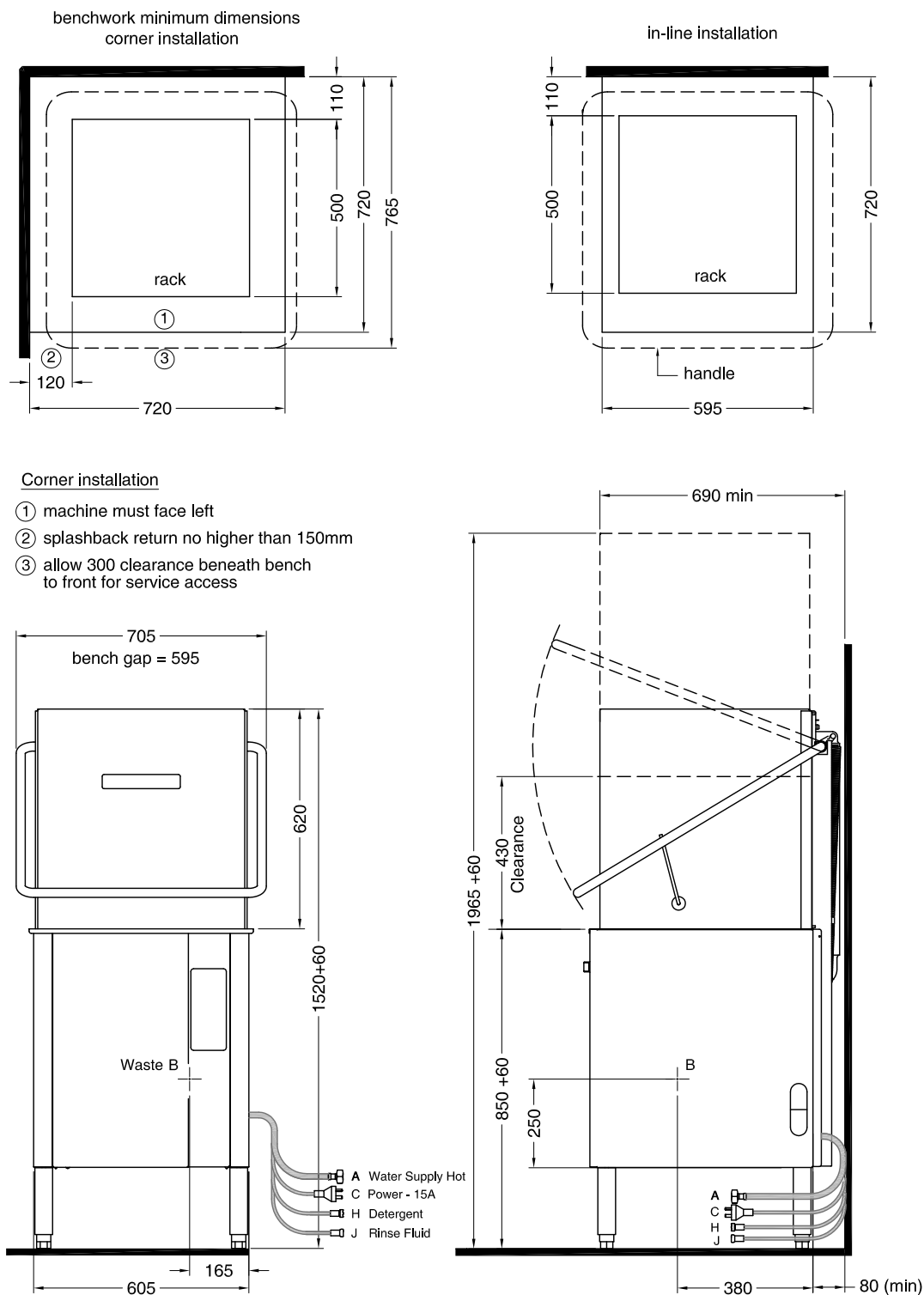
- Run several cycles, ensure that operator has read and understands instructions

## **Troubleshooting Installation**

- If machine doesn't fill after switching on power, check & ensure that hot water supply tap is open, water supply pressure is not below specification.

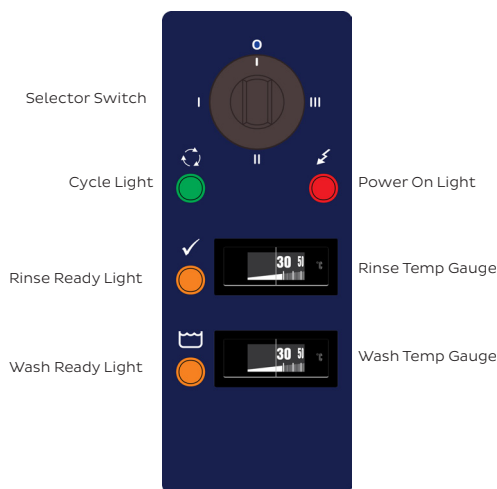
# XP Installation Diagram

XP INST 30-08-13 3 A





# Machine Operation



## START UP

Fit drain upstand, wash pump filter, scrap trays and shut door.  
Turn wall power switch on and select any cycle (1, 2 or 3).  
Power light glows red and machine fills automatically.  
Wash Ready light (water symbol) glows amber when wash tank is ready.  
Rinse Ready light (tick symbol) glows amber when the machine is up to required temperature.

## OPERATION

Select required cycle (1, 2 or 3 for 1, 2 or 3 minute cycle accordingly).  
Try cycle 3 initially and switch to faster cycles only if necessary.  
Load rack into machine and close door to start the machine.  
Cycle light glows green while machine operates.  
When Cycle light goes out, cycle is complete.

NOTE 1: Machine might operate longer than specified above if hot water supply temperature is below required.

NOTE 2: After removing rack from machine, DO NOT shut door as machine will start up again

## SHUT DOWN EVERY NIGHT

Turn machine and wall power switches off.  
Remove drain upstand to drain wash tank.  
Remove scrap trays and wash pump filter and rinse clean.  
Replace drain upstand, filter and scrap tray.

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**Parts 1 800 337 963**

# Operating Pro

## PRE-RINSING

Pre-scraping of dishes is required. The best method is to pre-rinse with water. Pre-rinse Unit - or alternatively by hand.

Cutlery should be pre-soaked in water. Cutlery pre-soak compound - refer to service manual.

## RACKING PROCEDURES

Do not overload racks or cutlery compartments. Wash cutlery unsorted.

Cycle times are short and water consumption is low. There is no advantage in overloading.

## CYCLE TIMES

The XP has a 1, 2, 3 minute cycle.

## CHEMICAL

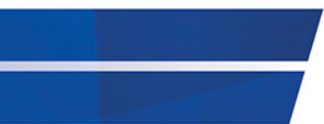
Correct type and quantity of detergent is essential. Use good quality chemicals and refer to the use of drying agent and cutlery. Refer to chemical supplier. Detergent concentration should be adjusted the timer (refer service manual). Set to a low injection rate, and will be adjusted. Operator can adjust this via the adjustment screw (refer service manual).

## DRYING

Single tank commercial dishwashers. However, the machines do rinse and dry. This promotes fast drying particularly for glassware.

At the end of the cycle promptly remove the rack from the machine - leave the rack on the bench to dry. Emptying. This time will be reduced by the use of drying agent (rinse fluid) which reduces water to drain quickly from wash racks and injectors refer to your chemical supplier.

**WASH**



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## Procedures

by Food Hygiene Regulations. The  
warm water with a Fisher  
y scraping or dunking in water.

arm water, preferably containing  
er your chemical supplier.

containers, minimise the overlap  
d, handles down.

onsumption per cycle low – so  
ng racks.

rgent is essential for good results.  
regularly check containers. Discuss  
y pre soak solution with your  
centration can be changed by  
(manual). Rinse Fluid is factory  
l take many cycles to prime. The  
justing screw on the front cover

ers do not have a drying cycle.  
t high temperatures which  
when drying agents are used.

remove the rack from the  
ench for 2 to 3 minutes before  
ed with correct use of drying  
water surface tension and allows  
ware. For advice on drying agents  
al supplier.

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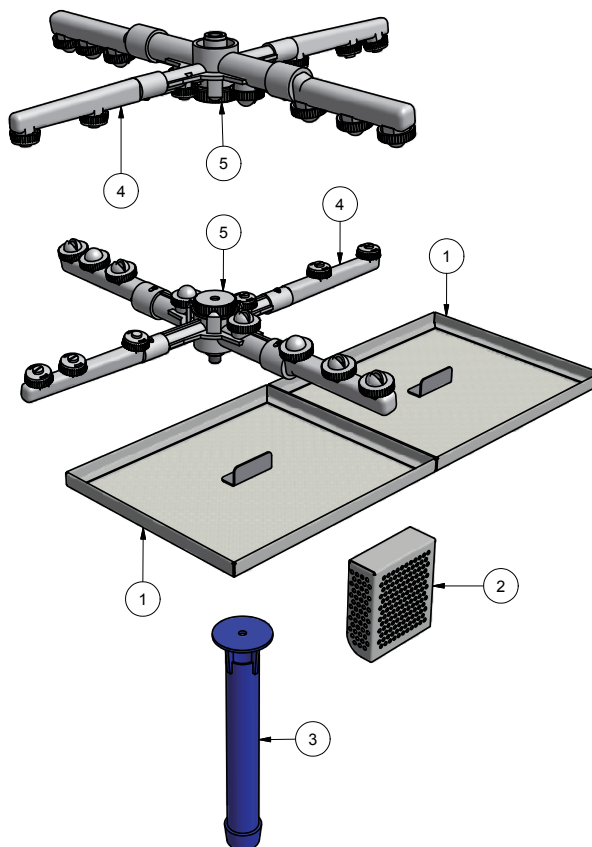
## Care

### DAILY CLEANING

It is essential that the machine is drained and cleaned at the end of each day. Drain the machine as per the shut down instructions. Remove, clean and replace filters. Regularly check the wash and rinse jets and clean if necessary – see below

### REGULAR CLEANING – at least once a week

Remove scrap trays (1). Remove filter (2) and upstand (3). Remove wash and rinse arms (4) by undoing the central thumbscrews (5). Inspect all jets – use toothpick or paperclip and remove jets if necessary to flush and clear. Clean and then replace all items.



### MAINTENANCE

Regular servicing of the dishwasher is essential for high performance, efficient operation and long machine life.

Contact us for information on maintenance contracts.

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Web [www.moffat.com.au](http://www.moffat.com.au)

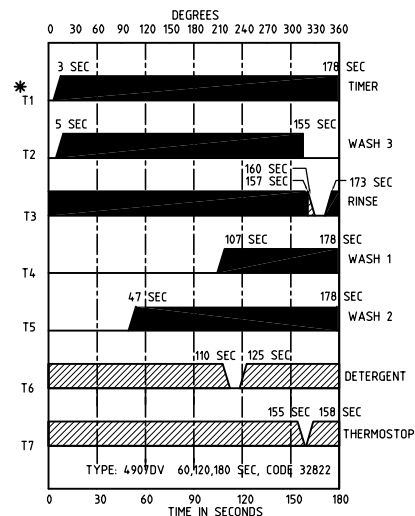
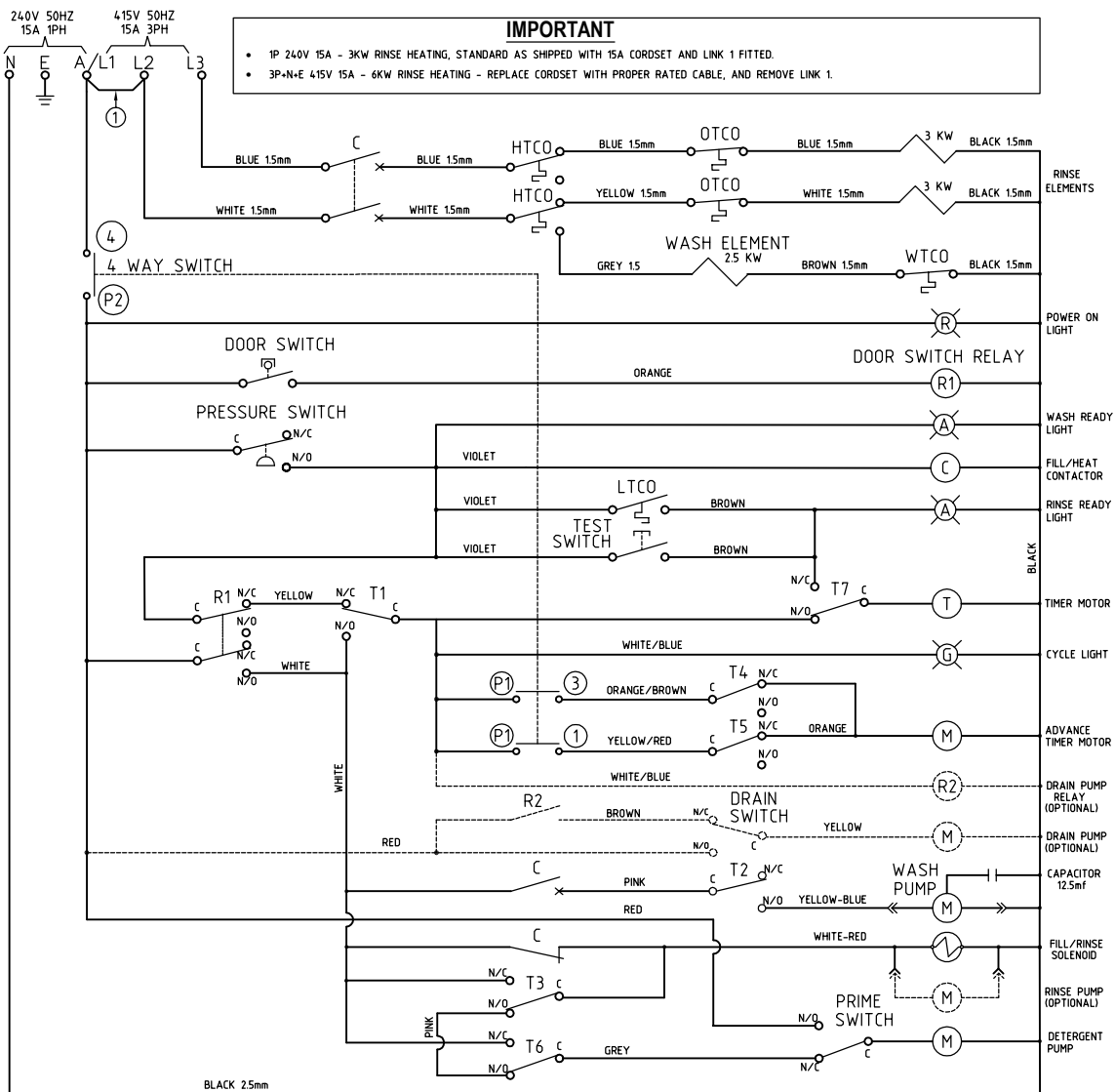
# Troubleshooting

<b>Fault</b>	<b>Cause</b>	<b>Remedy</b>
<b>Filling</b>		
Not filling	Water supply valve shut	Check Water supply valve
Filling during wash cycle	Door Switch not operating	Check Door is closed
	Upstand not fitted properly	Check Drain upstand is fitted
<b>Heating</b>		
Dishes not hot enough	Rinsing but not hot	Check arms spinning freely & water supply temperature
<b>Cycle start</b>		
Does not start	Door switch	Check door is closed
<b>Cycle Finish</b>		
Wash too long	Water supply cold	Check water temperature
<b>Performance</b>		
Poor wash result	Detergent not used	Use quality low foam product
	Overloading racks	Do not overload racks
	Not pre-rinsing	Use Fisher pre-rinse
	Wash arms not rotating	Remove and clean arms/check bushes
	Wash jets blocked	Remove arms and clean jets
	Excessive soiling	Pre-rinse/use long cycle
	Unrealistic expectation	E.g. baked on soiling requires pre-soaking
Poor rinse results	Rinse jets blocked	Remove arms and clean jets
	Rinse arms not turning	Remove arms, clean jets, check bushes
	Poor racking procedures	Do not overload racks
	Excessive wash tank soil build up	Pre-rinse, change wash water regularly
Not drying	Poor wash/rinse performance	Refer above
	Low temperatures	Check heating systems
	Drying agent not used	Use quality drying agent/rinse fluid
Foaming Wash	Excessive Rinse Fluid	Adjust Rinse Fluid Injector



# XP Schematic Diagram

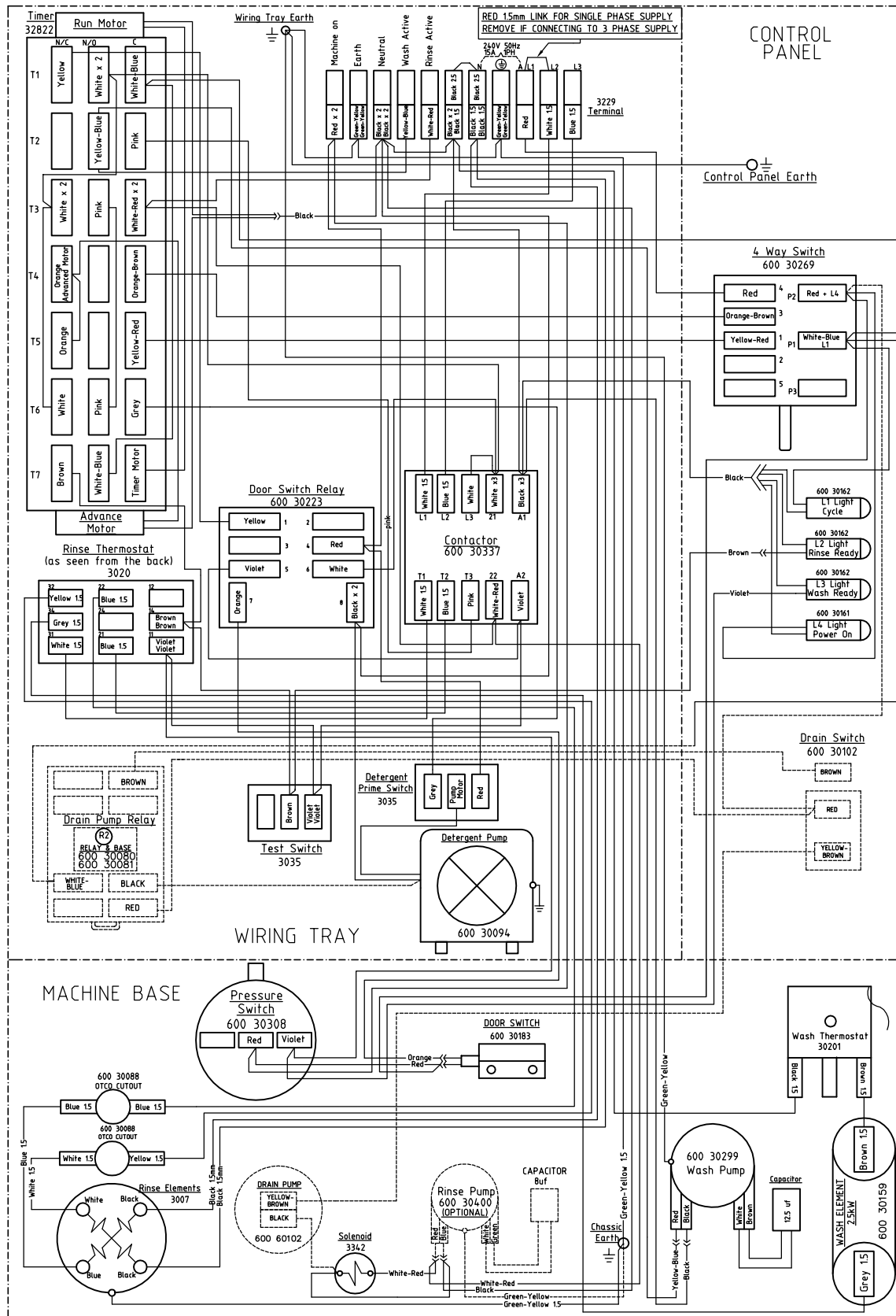
090131 19/01/15 1D



# XP Wiring Diagram

130205 19/01/15 1D

Refers to XP-2(W) Schematic Diagram 090131



# Accessories

	Code	Description
	600 70029	Cuprack 500mm
	600 70028	Dishrack 500mm
	C660503	G Cutlery Container

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740 Springvale Road  
Mulgrave 3170  
Victoria  
Australia

24HR Service 1 800 622 216  
Parts 1 800 337 963

Tel	03 9518 3888
Fax	03 9518 3818
E-mail	<a href="mailto:vsales@moffat.com.au">vsales@moffat.com.au</a>
web	<a href="http://www.moffat.com.au">www.moffat.com.au</a>

#### ISO9001

All Washtech products are designed and  
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internationally recognised ISO9001 quality  
management system, covering design,  
manufacture and final inspection, ensuring  
consistent high quality at all times.

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